

M12 male 90° D-cod. / RJ45 0° shielded

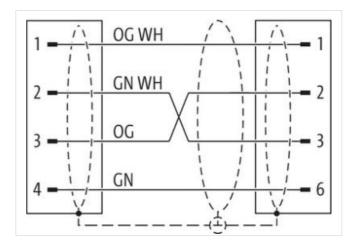
TPE 2x2x24AWG SF/UTP CAT5e bu UL/CSA. CM 25m

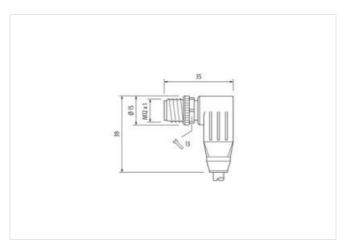
Ethernet CAT5 The resistance to aggressive media should be individually tested for your application. Further details on request. Male 90° – male straight M12 – RJ45, 4-pole D-coded shielded USA without cable sleeves Further cable lengths on request. Plastic housings with good resistance against chemicals and oils.

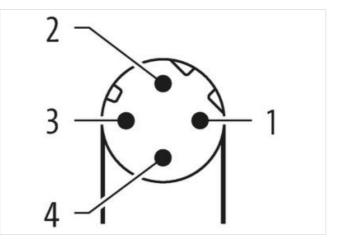
Link to Product

Illustration



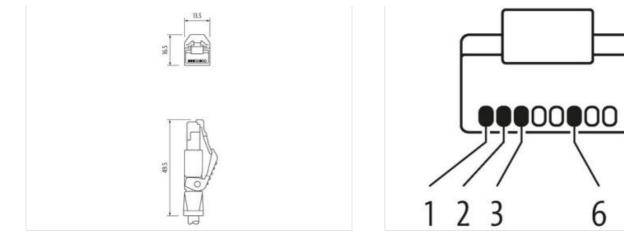






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Product may differ from Image







EtherNet/IP

| Cable length25 mSide 1Inserted, screwedFamily construction formM12TrindeM12 x 1Cable outletangledCodingDObjees4With across fildsSW13Degree of protection (EN IEC 60529)IP67Side 2ImmediateMounting methodpluggableFamily construction formFL45Cable outletstraightNo. of poles4Commercial datapluggableSide 2ImmediateMounting methodpluggableFamily construction formFL45Cable outletstraightNo. of poles4Commercial dataECLASS 6.027061801ECLASS 7.027060307ECLASS 7.1.127060307ECLASS 7.2.2EconocityECLASS 7.2.227060307ECLASS 7.3.3 <th< th=""><th></th><th></th></th<> | | |
|---|-------------------------------------|-------------------|
| Tightening torque 0.6 Nm Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Cable outlet angled Coding D No. of poles 4 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Side 2 Mounting method pluggable Family construction form R45 Cable outlet straight No. of poles 4 Degree of protection (EN IEC 60529) IP20 Commercial data 27061801 ECLASS-0.0 27061801 ECLASS-7.0 27060307 ECLASS-7.0 27060307 ECLASS-7.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-11.1 27060307 | Cable length | 25 m |
| Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Cable outlet angled Coding D No. of poles 4 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Side 2 Mounting method plugable Family construction form RL45 Cable outlet straight No. of poles 4 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS - 0. ECLASS - 7.0 27060307 ECLASS - 7.0 27060307 ECLASS - 7.0 27060307 ECLASS - 1.1 27060307 | Side 1 | |
| Family construction form M12 Thread M12 x 1 Cable outlet angled Coding D No. of poles 4 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Side 2 Mounting method pluggable Family construction form RJ45 Cable outlet straight No. of poles 4 Oppee of protection (EN IEC 60529) IP20 Cable outlet straight No. of poles 4 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-6.1 27060307 ECLASS-6.1 27060307 ECLASS-10.1 27060307 ECLASS-10.1 27060307 ECLASS-10.1 27060307 ECLASS-10.1 27060307 ECLASS-10.1 27060307 ECLASS-10.1 27060307 < | Tightening torque | 0,6 Nm |
| Thread M12 x 1 Cable outlet angled Coding D No. of poles 4 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Side 2 Mounting method pluggable Family construction form RJ45 Cable outlet straight No. of poles 4 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 ECLASS-7.0 27060307 ECLASS-9.0 ECLASS-9.0 27060307 ECLASS-9.0 ECLAS | Mounting method | inserted, screwed |
| Cable outlet angled Coding D No. of poles 4 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Side 2 | Family construction form | M12 |
| Coding D No. of poles 4 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Side 2 Mounting method pluggable Family construction form RJ45 Cable outlet straight No. of poles 4 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-8.0 27060307 ECLASS-8.0 27060307 ECLASS-8.0 27060307 ECLASS-8.0 27060307 ECLASS-1.1 | Thread | M12 x 1 |
| No. of poles 4 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Side 2 Mounting method plugable Family construction form RU45 Cable outlet straight No. of poles 4 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-6.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-1.1 27060307 ECLASS-1.1 <td>Cable outlet</td> <td>angled</td> | Cable outlet | angled |
| Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Side 2 Pamily construction form RJ45 Cable outlet straight Straight No. of poles 4 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS 6.0 27061801 ECLASS 6.1 27060307 ECLASS 6.1 27060307 ECLASS 6.0 27060307 ECLASS 7.0 27060307 ECLASS 7.0 27060307 ECLASS 7.0 27060307 ECLASS 7.0 27060307 ECLASS 7.0 27060307 ECLASS 7.0 27060307 ECLASS 8.0 27060307 ECLASS 7.0 27060307 ECLASS 1.1 27060307 ECLASS 7.0 27060307 ECLASS 1.2.0 27060307 ECLASS 7.0 27060307 ECLASS 1.2.0 27060307 ECLASS 7.0 27060307 ETIM-5.0 EC002599 Ecustoms tariff number 85444290 GTIN 4048879829458 Packaging unit 1 Electrical data Supply 1 | Coding | D |
| Degree of protection (EN IEC 60529) IP67 Side 2 Mounting method pluggable Family construction form RJ45 Cable outlet straight No. of poles 4 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 ECLASS-6.1 27061801 ECLASS-7.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-1.1 27060307 ECLASS-1.2 27060307 ECLASS-1.1 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879829456 Packaging unit <td< td=""><td>No. of poles</td><td>4</td></td<> | No. of poles | 4 |
| Side 2 Mounting method pluggable Family construction form RJ45 Cable outlet straight No. of poles 4 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-8.0 27060307 ECLASS-8.0 27060307 ECLASS-8.1 27060307 ECLASS-8.0 27060307 ECLASS-1.1 27060307 ECLASS-1.1 27060307 ECLASS-1.1 27060307 ECLASS-1.1.1 27060307 ECLASS-1.1.1 27060307 ECLASS-1.1.1 27060307 ECLASS-1.1.1 27060307 ECLASS-1.1.1 27060307 ECLASS-1.1.1 27060307 ECLASS-1.2.0 27060307 ECIASS-1.1.1 27060294 customs tariff number 85444290 GTIN 4048879629458 | Width across flats | SW13 |
| Mounting method pluggable Family construction form RJ45 Cable outlet straight No. of poles 4 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-1.1 27060307 ECLASS-1.2 27060307 ECLASS-1.1 27060307 ECLASS-1.1 27060307 ECLASS-1.2.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879829458 Packaging unit 1 Electrical data Supply 1 | Degree of protection (EN IEC 60529) | IP67 |
| Family construction form RJ45 Cable outlet straight No. of poles 4 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-1.1 27060307 ECLASS-1.2 27060307 ECLASS-1.1 27060307 ECIASS-1.2 EC002599 customs tariff number 85444290 GTIN 4048879829458 Packaging unit 1 Electrical data Supply 1 | Side 2 | |
| Cable outlet straight No. of poles 4 Degree of protection (EN IEC 60529) IP20 Commercial data 27061801 ECLASS-6.0 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-1.1 27060307 ECLASS-1.2.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879829458 Packaging unit 1 Electrical data Supply 1 | Mounting method | pluggable |
| No. of poles 4 Degree of protection (EN IEC 60529) IP20 Commercial data E ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-1.1 27060307 ECLASS-1.2.0 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879829458 Packaging unit 1 Electrical data Supply 1 | Family construction form | RJ45 |
| Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 ECLASS-7.0 27060307 ECLASS-8.0 ECLASS-8.0 27060307 ECLASS-9.0 ECLASS-9.0 27060307 ECLASS-9.0 ECLASS-1.1 27060307 ECLASS-9.0 ECLASS-1.1 27060307 ECLASS-11.1 ECLASS-12.0 27060307 ECLASS-12.0 ETIM-5.0 EC002599 Ecuation and an analysis customs tariff number 85444290 ECIN GTIN 4048879829458 Packaging unit 1 Electrical data Supply 1 Electrical data Supply Electrical data Supply | Cable outlet | straight |
| Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-11.1 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879829458 Packaging unit 1 Electrical data Supply 1 | No. of poles | 4 |
| ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879829458 Packaging unit 1 | Degree of protection (EN IEC 60529) | IP20 |
| ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879829458 Packaging unit 1 | Commercial data | |
| ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879829458 Packaging unit 1 | ECLASS-6.0 | 27061801 |
| ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879829458 Packaging unit 1 | ECLASS-6.1 | 27060307 |
| ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879829458 Packaging unit 1 | ECLASS-7.0 | 27060307 |
| ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879829458 Packaging unit 1 Electrical data Supply | ECLASS-8.0 | 27060307 |
| ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879829458 Packaging unit 1 Electrical data Supply | ECLASS-9.0 | 27060307 |
| ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879829458 Packaging unit 1 Electrical data Supply Supply | ECLASS-10.1 | 27060307 |
| ETIM-5.0EC002599customs tariff number85444290GTIN4048879829458Packaging unit1Electrical data Supply | ECLASS-11.1 | |
| customs tariff number 85444290 GTIN 4048879829458 Packaging unit 1 Electrical data Supply | ECLASS-12.0 | 27060307 |
| GTIN 4048879829458 Packaging unit 1 Electrical data Supply Value | ETIM-5.0 | EC002599 |
| Packaging unit 1 Electrical data Supply 1 | customs tariff number | 85444290 |
| Electrical data Supply | GTIN | 4048879829458 |
| | Packaging unit | 1 |
| Operating voltage DC max. 60 V | Electrical data Supply | |
| | Operating voltage DC max. | 60 V |

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| Current operating per contact max. | 1,5 A |
|---|---|
| Industrial communication | |
| Fransfer parameters | CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) |
| Data transmission rate max. | 100 MBit/s |
| Industrial communication Ethernet func | tionality |
| | Full duplex |
| duplex | |
| Device protection Electrical | |
| Additional condition protection degree | inserted, screwed |
| Pollution Degree | 3 |
| Rated surge voltage | 1 kV |
| Material group (IEC 60664-1) | I |
| Mechanical data | |
| Contour for corrugated hose | without |
| Mechanical data Material data | |
| ocking screw coating | Nickeled |
| Locking material screw | Zinc die-casting |
| Environmental characteristics Climatic | |
| Dperating temperature min. | -25 °C |
| Dperating temperature max. | -25 °C 85 °C |
| Additional condition temperature range | depending on cable guality |
| | |
| Important installation notes | |
| Note on strain relief | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. |
| Note on bending radius | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |
| Conformity | |
| Product standard | DIN EN 61076-2-101 (M12) |
| Installation Cable | |
| vire arrangement | (orange-white, orange), (green-white, green) |
| Cable identification | S4U |
| Function cable | Data |
| lacket Color | teal |
| Type of Certificate | cURus |
| Amount stranding | 2 |
| Stranding | 2 wires twisted |
| Amount stranding (type 2) | 1 |
| Stranding (type 2) | 2 Stranded joints twisted |
| Cable shielding (type) | copper braid, tinned |
| Cable shielding (coverage) | 75 % |
| Banding | Foil |
| vire arrangement | (orange-white, orange), (green-white, green) |
| Cable length max. | 83 m |
| Cable weigth | 55,66 g/m |
| Material jacket | TPE |
| Freedom from ingredients (jacket) | lead-free, CFC-free |
| Duter-diameter (jacket) | 6,6 mm |
| | ±5% |
| | ± 0 % |
| Folerance outer diameter (sheath) | |
| Folerance outer diameter (sheath) Material wire insulation | + 3 % HDPE 4 |
| Folerance outer diameter (sheath) Material wire insulation Amount wires | HDPE 4 |
| Folerance outer diameter (sheath) Material wire insulation | HDPE |

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| Amount strands (wire) | 7 |
|---|--|
| Diameter of single wires | 24 AWG |
| Conductor crosssection (wire) | 24 AWG |
| Material conductor wire | copper stranded wire, tinned |
| Nominal voltage AC max. | 600 V |
| Current load capacity (standard) | to DIN VDE 0298-4 |
| Current load capacity min. wire | 2,4 A |
| Characteristic impedance | 100 Ω @ 100 MHz |
| Electrical resistance line constant wire | 76,4 Ω/km @ 20 °C |
| AC withstand voltage (wire - wire) | 1,5 kV @ 2 s |
| Power frequency withstand voltage (wire - jacket) | 1,5 kV @ 2 s |
| Loop resistance | 280 Ω/km |
| Min. operating temperature (static) | -40 °C |
| Max. operating temperature (fixed) | 0° 08 |
| Operating temperature min. (dynamic) | -40 °C |
| Operating temperature max. (dynamic) | 80 °C |
| Storage temperature min. | -40 °C |
| Storage temperature max. | 80 °C |
| Flame resistance | UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 |
| chemical resistance | Good, application-related testing |
| Gasoline resistance | Good, application-related testing |
| Oil resistance | DIN EN 60811-404 Good, application-related testing |
| Bending radius (dynamic) | 4 x Outer diameter |
| No. of bending cycles (C-track) | 35 Mio. |
| Traversing distance (C-track) | 0,6 m |
| Travel speed (C-track) | 1,2 m/s |
| No. of torsion cycles | 3 Mio. |
| Torsion stress | ± 270 °/m |
| Torsion speed | 60 cycles/min |

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